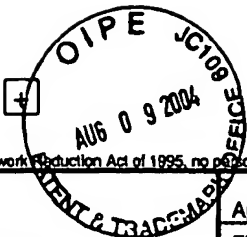


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# **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number	10/828,411
Filing Date	APRIL 20, 2004
First Named Inventor	XIA, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Submission Date	August 5, 2004

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
hm	A1	US-6,365,527 BA1	04/02/2002	Yang, et al.	
hm	A2	US-2002/0155386 A1	10/24/2002	Xu, et al.	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
hm	B1	EP 0 935 283 A2	08/11/1999	Matsuki, et al.		
	B2	EP 1 122 770 A2	08/08/2001	Shlota, et al.		
	B3	DE 41 26 759 A1 (English Abstract)	02/18/1993	Roth, et al.		X
	B4					

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Date Considered

12-16-4

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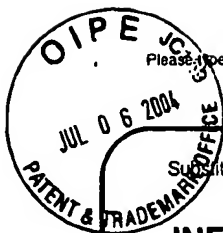
Substitute for form 1449B/PTO  <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/828,411
		Filing Date	APRIL 20, 2004
		First Named Inventor	XIA, ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
		Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Sheet 2	of 2	Submission Date	August 5, 2004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
<i>hm</i>	C1	PCT International Search Report for PCT/US2004/000374, dated June 18, 2004 (AMAT/7653.PCT)	
<i>5</i>	C2	TAKASHI NAKAMURA, "Synthesis of Amorphous Films from Phenylsilanes by Plasma Chemical Vapor Deposition" Makromol. Chem. 189, pp. 1315-1322 (1988)	
<i>b</i>	C3	V. CECH, ET AL. "Thin Plasma-Polymerized Films of Dichloro(Methyl)Phenylsilane" Czechoslovak Journal of Physics, Vol. 50 (2000), Suppl. S3 pp. 356-364.	

Examiner <i>hm</i>	Date Considered <i>12-16-04</i>
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1

of 5

Application Number	10/828,441
Filing Date	APRIL 20, 2004
First Named Inventor	XIA, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Submission Date	06/30, 2004

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
m	A1	US-6,660,663 B1	12/09/2003	Cheung, et al.	
	A2	US-6,660,656 B2	12/09/2003	Cheung, et al.	
	A3	US-6,627,532 B1	09/30/2003	Gaillard, et al.	
	A4	US-6,596,655 B1	07/22/2003	Cheung, et al.	
	A5	US-6,593,247 B1	07/15/2003	Huang, et al.	
	A6	US-6,573,196 B1	06/03/2003	Gaillard, et al.	
	A7	US-6,562,690 B1	05/13/2003	Cheung, et al.	
	A8	US-6,555,476 B1	04/29/2003	Olsen, et al.	
	A9	US-6,541,282 B1	04/01/2003	Cheung, et al.	
	A10	US-6,537,929 B1	03/25/2003	Cheung, et al.	
	A11	US-6,511,909 B1	01/28/2003	Yau, et al.	
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	A15	US-6,455,445 B2	09/24/2002	Matsuki, et al.	
	A16	US-6,436,824 B1	08/20/2002	Chooi, et al.	
	A17	US-6,432,846 B1	08/13/2002	Matsuki	
	A18	US-6,413,583 B1	07/02/2002	Moghadam, et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
m	23	B1 EP 1 107 303 A2	06/13/2001	SHAO, ET AL.		
	22	B2 WO 99/41423 A2	08/29/1999	CHEUNG, ET AL.		
	21	B3 DE 199 04 311 A1	08/12/1999	SHU, ET AL.		
	20	B4 JP 09-008031 (English Abstract)	01/10/1997	Hasegawa		X
	19	B5 EP 1 176 226 A1	01/30/2002	Nemani, et al.		

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				Filing Date	APRIL 20, 2004
				First Named Inventor	XIA, ET AL.
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Sheet	2	of	5	Submission Date	06/30, 2004

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
Im	A19	US-6,410,463 B1	06/25/2002	Matsuki	
	A20	US-6,383,955 B1	05/07/2002	Matsuki, et al.	
	A21	US-6,352,945 B1	03/05/2002	Matsuki, et al.	
	A22	US-6,348,725 B2	02/19/2002	Cheung, et al.	
	A23	US-6,340,435 B1	01/22/2002	Bjorkman, et al.	
	A24	US-6,312,793 B1	11/06/2001	Grill, et al.	
	A25	US-6,303,523 B2	10/16/2001	Cheung, et al.	
	A26	US-6,287,900 B1	09/11/2001	Yamazaki, et al.	
	A27	US-6,242,339 B1	06/05/2001	Aoi	
	A28	US-6,159,871	12/12/2000	Loboda, et al.	
	A29	US-6,147,009	11/14/2000	Grill, et al.	
	A30	US-6,140,226	10/31/2000	Grill, et al.	
	A31	US-6,072,227	06/06/2000	Yau, et al.	
	A32	US-6,054,379	04/25/2000	Yau, et al.	
	A33	US-6,068,884	05/30/2000	Rose, et al.	
	A34	US-6,060,132	05/09/2000	Lee	
	A35	US-6,054,379	04/25/2000	Yau, et al.	
	A36	US-6,051,321	04/18/2000	Lee, et al.	

### FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
Im	18 B6	WO 00/19498 A1	04/06/2000	Huang		
	17 B7	EP 0 613 178 A2	08/31/1994	Michael		
	16 B8	WO 00/20900 A3	04/13/2000	Bencher, et al.		
	B9					
	B10					

Examiner

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Sheet	3	of	5
		Submission Date	66/30, 2004

U.S. PATENT DOCUMENTS					
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		Number-Kind Code <sup>2</sup> (if known)			
1b7 ↓	A37	US-5,989,998	11/23/1999	Sugahara, et al.	
	A38	US-5,926,740	07/20/1999	Forbes, et al.	
	A39	US-5,876,891	03/02/1999	Takimoto, et al.	
	A40	US-5,818,071	10/06/1998	Loboda, et al.	
	A41	US-5,780,163	07/14/1998	Camilletti, et al.	
	A42	US-5,776,235	07/07/1998	Camilletti, et al.	
	A43	US-5,730,792	03/24/1998	Camilletti, et al.	
	A44	US-5,711,987	01/27/1998	Bearinger, et al.	
	A45	US-5,710,067	01/20/1998	Footo, et al.	
	A46	US-5,638,251	06/10/1997	Goel, et al.	
	A47	US-5,607,773	03/04/1997	Ahlburn, et al.	
	A48	US-5,554,570	09/10/1996	Maeda, et al.	
	A49	US-5,494,712	02/27/1996	Hu, et al.	
	A50	US-5,465,680	11/14/1995	Loboda	
A51	US-5,242,530	09/07/1993	Batey, et al.		
A52	US-5,238,866	08/24/1993	Bolz, et al.		
A53	US-5,224,441	07/06/1993	Felts, et al.		
✓	A54	US-5,011,706	04/30/1991	Tarhay, et al.	

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		Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (if known)				
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				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Sheet	4	of	5	Submission Date	6/30, 2004

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		Number-Kind Code <sup>2</sup> (if known)			
im	A55	US-4,894,352	01/16/1990	Lane, et al.	
	A56	US-4,759,947	07/26/1988	Ishihara, et al.	
	A57	US-4,634,601	01/06/1987	Hamakawa, et al.	
	A58	US-4,532,150	07/30/1985	Endo, et al.	
	A59	US-4,262,631	04/21/1981	Kubacki	
	A60	US-2003/0139035 A1	07/24/2003	Yim, et al.	
	A61	US-2003/0129827 A1	07/10/2003	Lee, et al.	
	A62	US-2003/0111730 A1	06/19/2003	Takeda, et al.	
	A63	US-2003/0089988 A1	05/15/2003	Matsuura	
	A64	US-2003/0085408 A1	05/08/2003	Yang, et al.	
	A65	US-2003/0068881 A1	04/10/2003	Xia, et al.	
	A66	US-2003/0003765 A1	01/02/2003	Gibson, Jr., et al.	
	A67	US-2003/0001282 A1	01/02/2003	Meynen, et al.	
	A68	US-2002/0160626 A1	10/31/2002	Matsuki, et al.	
	A69	US-2002/0111042 A1	08/15/2002	Yau, et al.	
✓	A70	US-2002/0093075 A1	07/18/2002	Gates, et al.	
	A71	US-2002/0000670 A1	01/03/2002	Yau, et al.	
	A72	US-			

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
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	B17					
	B18					
	B19					
	B20					

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/828,441
		Filing Date	APRIL 20, 2004
		First Named Inventor	XIA, ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
		Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Sheet 5	of 5	Submission Date	6/30, 2004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*✓	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
hm 7	C2	PCT International Search Report for PCT US02/36229, dated September 3, 2003 (AMAT/6392.PC)	
8	C3	Written Opinion for PCT US99/22424, dated April 5, 2001 (AMAT/2966.03.PC)	
9	C4	PCT International Search Report for PCT US99/22425, dated February 11, 2000. (AMAT/2966.01.PC)	
10	C5 ✓	PCT International Search Report for PCT US02/40034, dated May 19, 2003. (AMAT/6084.PC)	
15	C6	DIJKSTRA, ET AL. "Optimization of Anti-Reflection Layers for Deep UV Lithography", Proceedings of SPIE Optica/Laser Microlithography, Bellingham, SPIE, Volume 1674, (1992) pp. 362-375.	
11	C7	OMAR, M.A. "Elementary Solid State Physics: Principles and Applications, ", Addison-Wesley Publishing Co. (1975) pp. 124-125.	
14	C8	FUKUDA, ET AL. "Highly Reliable SiOF Film Formation by ECR-CVD Using SiF <sub>2</sub> H <sub>2</sub> ", Symposium on VLSI Technology Digest of Technical Papers IEEE (1996) pp. 114-115.	
13	C9	WU, ET AL. "Advanced Metal Barrier Free CU Damascene Interconnects with PECVD Silicon Carbide Barriers for 90/65-nm BEOL Technology", 2002 IEE pp. 595-598.	
12	C10	United States Patent Application for 09/270,039, filed on March 16, 1999. (AMAT/2966.X3)	
	C11		
	C12		
	C13		

Examiner	11/12	Date Considered	12-16-04
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